

Converting Colors

CIELCh(23, 56.039, 38.659)

Have a look what the booklet for
CIELCh(23, 56.039, 38.659) contains.

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Color

CIELCh(23, 55.921, 38.255)

Conversions

Conversions Part 1

Format	Color
Hex	740400
RGB	116, 4, 0
RGB Percent	45%, 2%, 0%
CMY	0.5451, 0.9842, 1.0000
CMYK	0.00, 0.97, 1.00, 0.55
HSL	2°, 100%, 23%
HSV	2°, 100%, 45%
XYZ	7.2466, 3.8003, 0.3517
YIQ	37.0320, 68.0360, 22.5000

Conversions

Conversions Part 2

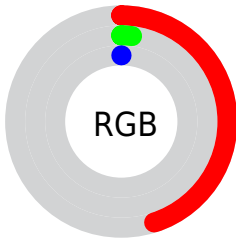
Format	Color
RYB	116, 4, 0
Decimal	7603200
CIELab	23.00, 43.91, 34.62
CIELCh	23, 55.921, 38.255
Yxy	3.8003, 0.6357, 0.3334
Android (android.graphics.Color)	4285793280 (0xFF740400)
YUV	37.0320, -18.2568, 69.2549
Hunter-Lab	19.4944, 32.2382, 12.5763

Details

The CIELCh color **23, 55.921, 38.255** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **43, 26.762, 201.758**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 55.938, 38.429**, and **8, 31.073, 24.494** is the 20% darker color. If you saturate the color by 10%, you get **23, 55.921, 38.258**, and if you desaturate by 10%, it is **24, 51.838, 36.500**.

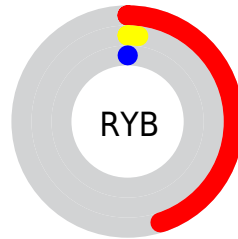
Distribution



Red (45%)

Green (2%)

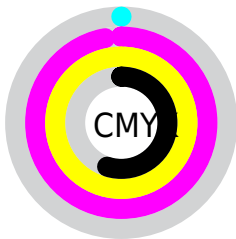
Blue (0%)



Red (45%)

Yellow (2%)

Blue (0%)

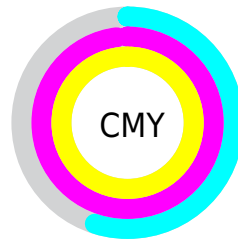


Cyan (0%)

Magenta (97%)

Yellow (100%)

Black (55%)



Cyan (55%)

Magenta (98%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 55.921, 38.255 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 23, 55.921, 38.255 by changing the saturation by 10% instead.

■ 23, 55.921, 38.255

■ 23, 55.921, 38.255

■ 100, 55.921,
38.255

■ 13, 55.921, 38.255

■ 43, 55.921, 38.255

■ 3, 55.921, 38.255

■ 53, 55.921, 38.255

■ 0, 55.921, 38.255

■ 63, 55.921, 38.255

■ 73, 55.921, 38.255

■ 83, 55.921, 38.255

■ 93, 55.921, 38.255

■ 23, 55.921, 38.255

■ 23, 55.921, 38.255

23, 55.921, 38.258

24, 51.838, 36.500

25, 46.247, 33.813

27, 39.946, 31.044

30, 33.504, 28.724

32, 27.143, 26.877

35, 21.011, 25.443

39, 15.201, 24.339

42, 9.759, 23.487

45, 4.695, 22.807

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



23, 55.921, 38.255



43, 26.762, 201.758

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



23, 55.921, 38.255



23, 55.921, 88.255



23, 55.921, 218.255



23, 55.921, 268.255

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



23, 55.919, 38.257



50, 18.866, 24.413



26, 63.000, 329.545



24, 13.131, 24.757



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23, 55.919, 38.257



31, 69.509, 39.976



32, 46.767, 65.040



23, 2.658, 22.746



25, 58.554, 38.721



52, 102.569, 40.249

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



43, 26.762, 201.758



55, 32.263, 201.901



23, 41.340, 285.219



24, 2.516, 202.115



45, 27.804, 201.790



87, 47.027, 202.105

Previews

White Background



This preview shows how the CIELCh color 23, 55.921, 38.255 looks on a white background.

Color Contrast Check

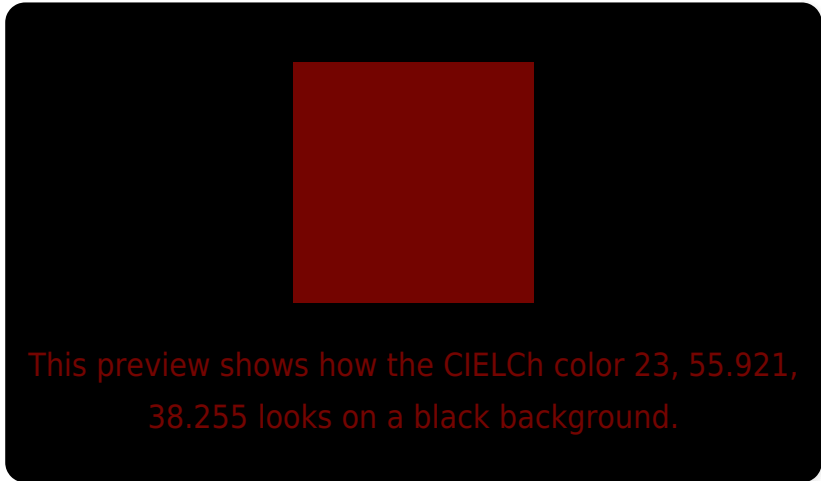
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

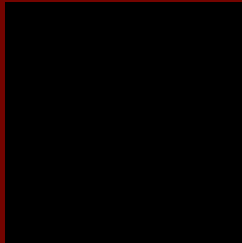
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 23, 55.921, 38.255

Background



This preview shows how black text looks on a background with the CIELCh color 23, 55.921, 38.255.



This preview shows how white text looks on a background with the CIELCh color 23, 55.921, 38.255.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

23, 55.921, 38.255

Protanopia

25, 27.371, 96.374

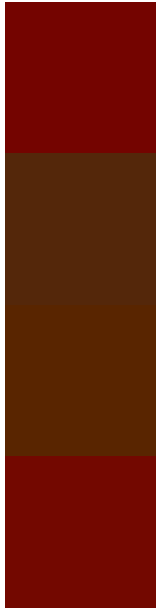
Deuteranopia

25, 33.845, 86.020



Tritanopia
23, 54.672, 39.591

Trichromacy



Original Color
23, 55.921, 38.255

Protanomaly
21, 32.775, 55.170

Deuteranomaly
22, 38.413, 55.327

Tritanomaly
23, 55.021, 38.986

Monochromacy



Original Color
23, 55.921, 38.255

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 22.387, 27.842

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 55.921, 38.255 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(116, 4, 0)` looks like.

```
.text, #text, p{  
    color:rgb(116, 4, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(116, 4, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 4, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 55.921, 38.255 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 4, 0) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(116, 4, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(116, 4, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 4, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(116, 4, 0); box-shadow:4px  
4px 4px 4px rgb(116, 4, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 55.921, 38.255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 4, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(116, 4,  
0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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